


Short Resume Dr. Ibrahim ALGHORAIBI



Name of the Applicant	Dr. Ibrahim alghoraibi Leader of the Nanotechnology activity / Physics Depart/ Damascus University
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Webpages: ○ ORCID: https://orcid.org/0000-0002-7609-9137 ○ Google scholar: https://scholar.google	
 <ul style="list-style-type: none">▪ Head of the Department of Nanotechnology and Materials Science, Atomic Energy Commission▪ Head of the Scientific Activities Committee of the Damascus Branch of the Syrian Inventors Association▪ Head of Syrian Nanoscience & Technology Initiative Community▪ Certified Trainer at the National Centre for Intellectual Property Training in Syria▪ Certified Trainer in Nerou Linguistic▪ Member of the Scientific Advisory Committee at the Syrian Atomic Energy Commission.▪ Member of the Scientific Committee for Formulating the Nanotechnology Policy at the Higher▪ Chairman of the Board of Directors, Syrian Association for Scientific Research and Publishing▪ Scientific Expert and Consultant, Council of Academic Affairs and Scientific Research, Al-Sham Private University▪ Expert at the General Commission for Biotechnology (2020–2024)❖ Ph.D. in Nanophysics from the National Institute of Applied Sciences (INSA), France❖ Director of the Nanotechnology Laboratory and Head of the Nanotechnology Unit, Department of Physics, University of Damascus❖ Head of the Syrian Initiative for Nanoscience and Nanotechnology❖ Head of the Scientific Activities Committee at the Damascus Branch of the Syrian Inventors Association❖ Diploma in Training of Trainers (TOT) in Intellectual Property from the World Intellectual Property Organization (WIPO)❖ Certified Trainer at the National Intellectual Property Training Center in SyriaCertified Trainer in Nerou Linguistic❖ Member of the Scientific Advisory Committee at the Atomic Energy Commission of Syria❖ Member of the Scientific Committee for Formulating the Nanotechnology Policy at the Higher Commission for Scientific Research.❖ Member of the Scientific Committee at the Higher Commission for Scientific Research.❖ Member of the Board of Trustees of the Syrian Institution for Intellectual Property and Technology❖ Founding member of the Syrian Society for Research and Scientific Publishing❖ Member of the Board of Trustees of the "Qaderoon" Project❖ Member of the Scientific Committee of the Innovation and Creativity Exhibition❖ Holder of seven patents in the field of nanoscience and nanotechnology, and recipient of gold and silver medals in innovation and invention exhibitions❖ Supervised more than 65 master's and doctoral theses, and reviewed numerous academic dissertations❖ Published over 99 peer-reviewed scientific articles in international journals and contributed to more	

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than 98 international conferences

- ❖ Recognized on the 2024 list of Change-Makers, Innovators, and Creators in Syria by the World Intellectual Property Organization (WIPO)

Interests: Nanofiltration membranes, electrospun nanofibrous membranes, Electrospinning, Nanofibers, nanocomposite membranes, Polymer Nanocomposites, synthesis and characterization of nano thin film, Green synthesis of nanoparticles, Biomaterials and dental nanotechnology, Nanocomposites and hybrid materials, Epitaxy, III- Nano-Semiconductors lasers, MBE growth, Nano-Optoelectronics, Nano-porous silicon, Nano-Porous Titania, Nano-porous alumina, nano Solar Cells, noble metal and metal oxide nanomaterials, Quantum Dots, Quantum Wires, graphene, Carbon Quantum Dots, Nanofluids, nano-scaffold, wound dressing, drug delivery, nano-Hydroxyapatite, Nano-BioPesticide and Nano-fertilizers. Nanomedicine and targeted drug delivery, Environmental nanotechnology.

Main field of study: Nano-Surface physics, Thin Films and Nano Science & Nanotechnology.

Education

18 December 2008 PhD in Physics with Highest Distinction (**Highest honours**), [INSA](#), Rennes (France)

9 September 2004 Master Degree in Physics (1st year) “Light and Matter Interaction”, [Université de Rennes 1](#), France

17 October 1999 Postgraduate studies diploma in Physics (1st year), “Electronic solids Physics”, with Highest Distinction (*first graduate student*: mention **Excellent**), Aleppo University, syria

27 September 1998 Bachelor (BSc) in science physics and chemistry with Highest distinction (*first graduate student*, mention **very good**), Aleppo University, syria

Skills

Research interests

Material Sciences:

* **Growth:** Gaz and solid Source Molecular Beam Epitaxy (**MBE**), ultrahigh vacuum techniques, Magnetron Sputtering, Electrospinning, electrochemical deposition, Sol-Gel, Wet chemistry, pulse laser ablation, Dip coating

* **Structural properties:** Atomic Force Microscopy (**AFM**), Scanning Electron Microscopy (**STM**), X-Ray Diffraction, Reflection High Energy Electron Diffraction (**RHEED**).

* **Optical properties/Laser Technology:** Continuous-wave Photoluminescence (**CPL**), Photoluminescence Excitation Spectroscopy, UV-Vis Spectroscopy, FTIR Spectroscopy Electroluminescence (EL), Cryogenics (Liquid Helium & Nitrogen)-

III-V laser heterostructure process - clean room.

* **Computer skills/Acquisition & data processing:** Windows' Office suite (Word, Excel, PowerPoint, Access, Flex PDE) Open Office, Windows, Internet, , LateX English and Arabic, Photoshop CS , Network administration, Scientific Softwares (Nano softwares, Origin, Matlab, LabView, Crocodile Physics & Chemistry,...),

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Other services program

* **Communication/Languages:** Arabic: Mother language, French: Fluent, English: Intermediate (Special course of English for master degree: Aleppo University, Syria).

Research interests:

- ❖ Nanomaterial, thin films deposition and characterization, Electrical, magnetic and optical properties of nano thin films, Industrial application of thin film coatings.
- ❖ Surface studies using different techniques like Auger, XPS electron spectroscopies, Low electron energy diffraction, Surface roughness study using atomic force Microscopy and optical methods like UV, PL, EL....etc
- ❖ Study and fabrication of gas sensors based on metal oxides, porous silicon and carbon nanostructures and hybrids.
- ❖ Fabrication of solar cells based on CdS/CdTe, CuInSe₂/CdS/ZnO and DSSC solar cells
- ❖ Nano particles formation using pulse laser ablation and arc discharge method.
- ❖ Nanofibre formation using electrospinning technique
- ❖ Electrospun fibers and composites for tissue engineering applications, Micro-Ultra-Nano-RO-Filtration and Purification of water.
- ❖ Polymer fibers for multifunctional applications.
- ❖ Self-cleaning, superhydrophobic and superhydrophilic materials
- ❖ Quantum dots elaboration using Epitaxy.
- ❖ Sol-Gel, Wet chemistry and chemical bath (solution) deposition.
- ❖ Nano Material & Devices: Nanosensors, CNT.
- ❖ Biosynthesis of Nano-Silver Nano Gold Colloids (Metallic Nanoparticles)
- ❖ Application of Silver Nanoparticles and Nanofibers in Drinking Water Purification
- ❖ Application of nanotechnology in medical
- ❖ Anti-Microbial, Anti-Bacterial and Anti-Fungal of nanomaterials
- ❖ Dental Materials Scaffolds
- ❖ Scaffolds for teeth tissue engineering
- ❖ Nanostructure Scaffolds for tissue engineering
- ❖ Drug delivery of nanomaterials
- ❖ Nano-biopolymeric fibers in wound healing
- ❖ Wound dressing
- ❖ Synthesis of carbon dots and Graphen Quantum dots
- ❖ Synthesis of graphene and graphene oxide

Research projects

***2022-2025:** Participation in the research project entitled Active and Smart Nanosensors for Food Products, funded by Higher Commission for Scientific Research (HCSR) in Syria

***2019-2024:** Synthesis of bioactive nanomaterials from metal oxides and noble metals funded by Higher Commission for Scientific Research (HCSR) in Syria

***2010-2024:** Study the Impact of Nano Fertilizers and Pesticides in growth and Productivity of Agricultur Crops funded by Higher Commission for Scientific Research in Syria

***2016-2017:** Project of Biosynthesis of nano-silver and their anti-microbial effects, faculty of Pharmacy, Arab International University, syria

***2010-2017:** Fabrication and Characterization of Nanofibers by Electrospinning Technique, Department of Physics, University of Damascus.

***2010-2017:** Self-assembled InAs(Sb) quantum dots and quantum wires nanostructures, Department of Physics, University of Damascus.

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***2010-2014:** Preparation and Characterization of Nanocrystalline Silicon Thin Films for Solar Cell Applications, Department of Physics, University of Damascus.
2010-2014: Preparation and Characterization of Nanomaterial Films Amorphous Silicon For Solar Cells, Department of Physics, University of Damascus.
 ***2004-2007:** European network of excellence on Self-Assembled semiconductor Nanostructures for new Devices in photonics and Electronics (SANDiE)
 ***2004-2007:** European Network of Excellence on Photonic Integrated Components and Circuits (EPIXNET)

**Professional
experience
(Research
Projects and
Activities:)**

* **October 2009 - December 2017**

Doctor at the department of Physics, University of Damascus.

* **October 2004 - December 2008**

PhD thesis: **Growth of InAs nanostructures on InP substrates for laser applications at 1,55 μm in optical telecommunications**, [LENS Laboratory](#), INSA Rennes – France.

Advisor: [Prof. N. Bertru](#) and [Prof. A. Le Corre](#)

* **February 2004-September 2004**

Growth and characterisation of alloy AlInAs by Molecular Beam Epitaxy, Laboratory [LENS Laboratory](#), INSA Rennes – France, Advisor: [Prof. N. Bertru](#)

* **September 2001-September 2003**

Assistant Professor at the department of Physics, University of Damascus.

* **September 1999-2001**

Analytical Study of the ferrous-xylenol orange-gelatin (FXG) gel dosimeter, Department of Physics, Univ of Aleppo- Syria, Advisor: Prof. H. iskif and Prof A. Taleb.

**Professional
experience
(Teaching)**

1999-2001 Teaching in 1st year BSc of Practical Course in physics at University of Aleppo, Syria

2005-2006 Part-time teaching at Institut National des Sciences Appliquées (INSA), France ~150 hours. Practical Course at BSc level (2nd year). Electricity, Electronics, Optics.

2001-2003 Teaching assistance in 1st year BSc of Practical Course at University of Damascus, Syria, Electricity, Electronics, Optics, Thermodynamics, electromagnetism.

2011-2012 Assistant Professor in 1st theoretical and Practical Course at University of Kalamon- Faculty of medicine, Syria/**General Physics 1&2 for dentist and pharmacy.**

2012-2013 Assistant Professor in 1st theoretical and Practical Course at University of Rashid- Faculty of engineering, Syria/**General Physics 1&2 for Engineers**

2013-2021 Assistant Professor in 1st theoretical Course at Arab International University- Faculty of pharmacy, Syria/**Midical Physics for pharmacy.**

2009-2021 Assistant Professor in 1st, 2nd, 3rd and 4rd year BSc of theoretical and Practical Course at University of Damascus, Syria /Optics, Electronics, Laser, Quantum physics, renewable energy, Basic physics courses & Laboratories, Modern Physics, Electronics Lab/.and Nanotechnology, Advanced physics, thin films Nanostructure, research method for **Master course.**

Research Activities:

- ❖ **Supervised** 67 PhD and MSc
- ❖ **Published** more than 107 paper in international and national journal
- ❖ **Contributed** to more than 99 papers in international and national conference
- ❖ **Contributed** to more than 12 research projects
- ❖ **peer-reviewed:** International Journal of Biological Macromolecules, Iranian Journal of Chemistry and Chemical Engineering (IJCCE), International journal of biological Macromolecules, World Journal of Condensed Matter Physics, iScience, Microbial Pathogenesis, Industrial Crops & Products, International Journal of Molecular Sciences, Diamond & Related Materials, Results in Optics, Molecular Crystals and Liquid Crystals, Industrial Crops & Products, Journal of Cleaner Production, Next Materials, Nanoscale, Materials Chemistry and Physics, Chemistry, sustainability, Intelligent Pharmacy, molecules, materials, Microbial Pathogenesis, HELIYON, Journal for the Basic Sciences Damascus University

❖ Certificates and Recognitions

- ❖ International Certificate in Neuro-Linguistic Programming (NLP) – 2014, Certificate No. DF1407101323
- ❖ WIPO Training Certificate in Intellectual Property Protection – World Intellectual Property Organization (WIPO), 2014
- ❖ Certificate of Appreciation and Best Scientific Supervision Award – 14th Arab Creative Student Forum, awarded by the Arab Council for Training Students of Arab Universities, Alexandria, October 5, 2011
- ❖ International Computer Driving License (ICDL) – 2012
- ❖ Certificate of English Language Proficiency, awarded by C.I.R.E.F.E, University of Rennes 2, France – January 29, 2008
- ❖ Certificate of Experience and Supervision in Applied Aspects (in French), awarded by the Department of Materials and Nanotechnology at INSA Rennes, France – 2006
- ❖ Certificate of French Language Proficiency, awarded by C.I.R.E.F.E, University of Rennes 2, France – June 13, 2005
- ❖ Numerous certificates of participation and appreciation in international scientific conferences and forums

❖ Training courses

- ❖ Training of trainers of the National Center for Intellectual Property Training in Syria: **Basic Teaching Methodologies** by World Intellectual Property Organization (WIPO) (40 Training Hours)
- ❖ Training of trainers of the National Center for Intellectual Property Training in Syria: **Industrial property** by World Intellectual Property Organization (WIPO) (40 Training Hours)
- ❖ Training of trainers of the National Center for Intellectual Property Training in Syria: **Copyright and Related Rights** by World Intellectual Property Organization (WIPO) (40 Training Hours)
- ❖ Training of trainers of the National Center for Intellectual Property Training in Syria: **Advanced Teaching Methodologies** by World Intellectual Property Organization (WIPO) (40 Training Hours)

- ❖ Nerou Linguistic in international center for human construction (ICHC) (30 Training Hours)
- ❖ Training Course on "Radiation Protection in Diagnostic Radiology, Radiotherapy, and Nuclear Medicine", held in Damascus by the Atomic Energy Commission of Syria in cooperation with the International Atomic Energy Agency (IAEA), from August 20 to 24, 2000.

❖ Awards Received:

- ❖ **Silver Medal** in the Medical Sector, **awarded at the 16th International Exhibition of Inventions in the Middle East**, Kuwait, 2026
- ❖ **Selected as one of the "Change Makers in Syria"** in the field of patents and intellectual property protection by the **World Intellectual Property Organization (WIPO)** for the year **2024–2025**
- ❖ The first prize (gold prize) within the activities of AL-Bassel Fair For invention and innovation, Damscus-Syian Arab Republic (2023)
- ❖ Prize for first place in the research topic within the competition presented by ARID management to creating meaningful content the 8th international scientific forum (June 2021)
- ❖ Best Research Participation Award in the Fourth International Conference on Sustainable Development and Achieving it in the Middle East presented by Palmtree Environmental and Agricultural Organization (2021)
- ❖ **Second Prize for Supervisory Excellence** at the 14th Arab Creative Student Forum, titled "*The Role of Arab Universities in Facing Contemporary Challenges*", held in Alexandria, Egypt, from October 2–6, 2011.
- ❖ **Honored by the University of Damascus** during the 2023 Inventors Recognition Ceremony.
- ❖ **Letter of Appreciation and Recognition** from the Presidency of Damascus University for outstanding supervision and winning achievement at the 14th Arab Creative Student Forum — awarded on November 28, 2011.
- ❖ The second cash prize within the activities of AL-Bassel Fair For invention and innovation, Damscus-Syian Arab Republic (2019)
- ❖ Al-Basel Academic Excellence Award (First graduate student, 1998)
- ❖ Al-Basel Academic Excellence Award (Second graduate student, 1995)

❖ Member in:

- ❖ Syrian Nanoscience & Technology Initiative Community (SNIC), head of unit Nanotechnology in department of physics, university of Damascus.
- ❖ Syrian Society for Scientific Research (SySSR)
- ❖ Syrian Inventors Association
- ❖ Scientific Advisory Committee at the Syrian Atomic Energy Commission.
- ❖ Scientific Committee for Formulating the Nanotechnology Policy at the Higher Commission for Scientific Research.
- ❖ Scientific Committee for the Creativity and Innovation Exhibition
- ❖ Programme Committee Member/Organizer: International Seminar on Nanomaterials in Energy and Environment (INMEE-2010) 21st-23rd September (2010), Damascus, Syria, Workshop on Challenges and Innovations in Nanotechnology (2020) and the 4th International Conference of Sustainable Development and its Inquiry in the Middle East, IRAQ (May 2021)
- ❖ Participated in nanotechnology and materials conference in Syria, France, Suiss, USA, Nottingham, Spain, Germany, UK, Autriche, Turkey, Morocco, Pakistan, United Arab Emirates, Iraq and Egypt.

❖ Editorial board in:

- ❖ American Journal of Nanosciences
- ❖ American Journal of Biomedical Science & Research
- ❖ Nanoscience & Technology
- ❖ Frontiers in Nanotechnology
- ❖ Journal of Nanoscience & Technology
- ❖ Academic Journal of Polymer science
- ❖ International Journal of Advanced Science and Engineering
- ❖ Advances in Biomedicine and Pharmacy
- ❖ Journal of Orthodontics & Endodontics
- ❖ Modern Approaches in Oceanography and Petrochemical Sciences
- ❖ Biomedical Research: Current Trends
- ❖ An International Journal of Biomedicine, Natural Products and Pharmacy
- ❖ Iranian Journal of Chemistry and Chemical Engineering
- ❖ Archives of Organic and Inorganic Chemical Sciences
- ❖ Organic & Medicinal Chemistry International Journal
- ❖ SCIREA Journal of Chemistry
- ❖ Open Journal of Analytical and Bioanalytical Chemistry
- ❖ Chemical Review and Letters
- ❖ Journal of Advanced Material Science and Innovations
- ❖ International Journal of Nanoparticles and Molecular Nanotechnology
- ❖ International Journal of Materials Science and Engineering
- ❖ International journal of nano research & nanomedicine
- ❖ Journal of Nanotechnology and Nanomaterial
- ❖ Journal of Biogeneric Science and Research
- ❖ International Journal of Physics & Optical Technology
- ❖ CPQ Medicine
- ❖ Journal of Modern Polymer Chemistry and Materials
- ❖ Acta scientific applied physics
- ❖ Nanomaterials and Devices
- ❖ Acta scientific pharmaceutical sciences
- ❖ Precision Journal of Nanomaterials

Patents :

1. Novel facemasks made of nanofibers and nano zinc oxide, capable of isolating and killing viruses (No: 6199).
2. Nano-bandage dressing for chronic burns and wounds healing (No: 6200).
3. Synthesis of Syrian nanopropolis by novel method and use it as bioactive substance (No: 6298).
4. Synthesis method of Nano-hydroxyapatite doped with silicon and zinc as hybrid bioactive material (No: 6356).

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5. A new method for synthesizing a colloidal suspension of silver nanoparticles using eucalyptus (No: 6358).
6. Immersion System for Treating Threads with Graphene Conductive Ink (No: 6428)
7. Method for preparing acrylic reinforced with a nano-composite of zirconia and polyether ether ketone treated with silane (accepted -2025010003)
8. A water filter enhanced with nanomaterials (accepted)
9. Dual-Path Green Biogenic Synthesis of Iron Oxide Nanoparticles from Agricultural Waste Using Trichoderma Citrinoviride (under Process)
10. Synthesis of a smart hybrid nanostructured sensor reinforced with metal oxide (under Process) nanoparticles for determining the freshness and shelf life of meat and meat products.
11. Sustainable plant-based leather derived from fibers of Al-Masad shrubs (under Process).
12. An innovative integrated nano-bio pesticide for controlling the red palm weevil (under Process).
13. Synthesis of nanoparticles based on bee-derived products for incorporation into cosmetic formulations (under Process).

Publications : >1571citations, h-index= 18, i-index= 23

<https://scholar.google.com.my/citations?user=P8YqZ0AAAAAJ&hl=en>

Publications Internationals

1. Dory, L., Alghoraibi, I., Altunji, N. et al. Thermal, economic, and environmental assessment of optimal aerogel insulation thickness compared with conventional materials in syrian climates. Sci Rep (2026). <https://doi.org/10.1038/s41598-026-45028-9>
2. Alakeel B, Alghoraibi I and jamous i. Selective Infiltration Etching as a surface modification for high-translucency zirconia: Comparative analysis of roughness, composition, and bond strength. F1000Research 2026, 15:562 (<https://doi.org/10.12688/f1000research.176295.1>)
3. Kaabour, B., Lababidi, G. & Alghoraibi, I. Dual green synthesis of gold and silver nanoparticles mediated by citrus bee pollen extract: physicochemical and antibacterial insights. Discov Appl Sci (2026). <https://doi.org/10.1007/s42452-026-08553-w>
4. darraj, R., Haroun, M., Abbood, A., & alghoraibi, I. (2026). Development and Validation of an RP-HPLC Method for Simultaneous Determination of Methylparaben and Propylparaben in Pharmaceutical Syrup Formulations". Bulletin of Pharmaceutical Sciences Assiut University. [doi: 10.21608/bfsa.2026.462526.3008](https://doi.org/10.21608/bfsa.2026.462526.3008)
5. Kaabour, B., Lababidi, G. & Alghoraibi, I. Green synthesis and characterization of optimized antimicrobial silver nanoparticles using royal jelly from Apis mellifera syriaca. Materials Research Express 13 (5), 055001 (2026). <https://doi.org/10.1088/2053-1591/ae4854>
6. Juha, R., Alghoraibi, I. Stable nitrogen-doped carbon quantum dots with pH-controlled fluorescence response for Fe³⁺ detection. Sci Rep 16, 11816 (2026). <https://doi.org/10.1038/s41598-026-41900-w>
7. Kaabour, B., Lababidi, G. & **Alghoraibi, I.** Sustainable biosynthesis and characterization of optimized silver nanoparticles using Apis mellifera Syriaca bread with antimicrobial and biocompatibility evaluation. Discov Sustain 7, 36 (2026). <https://doi.org/10.1007/s43621-025-02348-6>

8. Alrais, S., **Alghoraibi, I.** & Salloum, A. In vitro comparative evaluation of the flexural strength of acrylic denture bases reinforced with nano-PEEK and PEEK–zirconia composites. *Sci Rep* (2026). <https://doi.org/10.1038/s41598-026-36102-3>
9. Kaabour B., Lababidi G. & **Alghoraibi I.** Sustainable biosynthesis and characterization of optimized silver nanoparticles using *Apis mellifera* Syriaca bread with antimicrobial and biocompatibility evaluation. *Discov Sustain* (2025). <https://doi.org/10.1007/s43621-025-02348-6>.
10. Darraj, R.; Haroun, M.; Abbod, A.; **Alghoraibi, I.** AQB-D-Driven Method Development for Magnetic Nanoparticle Extraction and HPLC Analysis: A Comprehensive Review, *Asian Journal of Chemistry* 2025, 37, (11), 2631-2640, <https://doi.org/10.14233/ajchem.2025.34677>
11. Wael Dagher, Abeer Alassod, Mhd Firas Al Hinnawi, **Ibrahim Alghoraibi**, Amal Taher and Manal Alnhlaoui " Characterization and antibacterial effect of green-synthesised silver nanoparticles using different extraction methods from *Ziziphus spina-christi* (Sidr) leaf extract collected from Syria, *RSC Adv.*, 2025, 15, 35642–35659, <https://doi.org/10.1039/D5RA05214A>
12. Alassod, A., Alkhateeb, W., **Alghoraibi, I.** et al. Kinetics, isotherms, and thermodynamics studies for electrospun polyacrylonitrile membrane loaded with iron and cobalt nanoparticles used to remove water contamination. *Polym. Bull.* (2025). <https://doi.org/10.1007/s00289-025-05859-4>
13. Mahmoud, Salam, **Ibrahim Alghoraibi**, Basel Younes, and Raghad Zein. 2025. "Development of Antibacterial and Hydrophobic Cotton Fabrics Using Zinc Oxide and Fluorocarbon Nanocomposite." *Journal of The Textile Institute*, June, 1–12. [doi:10.1080/00405000.2025.2515624](https://doi.org/10.1080/00405000.2025.2515624).
14. Kaabour, B., Lababidi, G., **Al-ghoraibi.I** and Fahed Al-biski . Investigation of black seed honey: chemical properties and formation of antimicrobial silver nanoparticles. *Appl Biol Chem* 68, 61 (2025). <https://doi.org/10.1186/s13765-025-01031-8>
15. Ola Amer and **Ibrahim Alghoraibi**, Dye- Sensitized Solar Cells Based on ZnO Films and Shami Berries Natural Dye. (2025). *Iraq Journal of Science*, 66(3), 1080-1094. <https://doi.org/10.24996/ijjs.2025.66.3.9>
16. Darraj, R., Haroun, M., Abbod, **Alghoraibi, I.** A. (2025). Extraction of Methylparaben and Propylparaben using Magnetic Nanoparticles. *Clinical Medicine and Health Research Journal*, 5(1), 1145–1167. <https://doi.org/10.18535/cmhrj.v5i1.450>.
17. Al Salama, Yasser, **Alghoraibi, Ibrahim**, Zein, Raghad, Alsouse, Mohammad, Silver Nanoparticles Seed Priming for Sustainable Enhancement of Durum Wheat Growth, Yield, and Nutrient Enrichment, *IET Nanobiotechnology*, 2025, 6152486, 7 pages, 2025. <https://doi.org/10.1049/nbt2/6152486>.
18. Fawaz, W., Hanano, A., Murad, H. Yousfan, A., **Alghoraibi, I** and Hasian, J., polymeric nanoparticles loaded with vincristine and carbon dots for hepatocellular carcinoma therapy and imaging. *sci rep* 14, 24520 (2024). <https://doi.org/10.1038/s41598-024-75332-1>.
19. Shaza Alashi, Isam Alkhouri, **Ibrahim Alghoraibi**, Nabil Kochaji, Abdullah Hourri and Mawia Karkoutly. Evaluating various properties of nanohydroxyapatite synthesized from eggshells and dual-doped with si^{4+} and zn^{2+} : an in vitro study, *Heliyon*, volume 10, issue 16, e35907 (2024)., <https://doi.org/10.1016/j.heliyon.2024.e35907>.
20. **Ibrahim alghoraibi**, Influence of The DEA Concentration on Structural and Optical Properties ofN PbS Thin Films Growth by Chemical Solution Deposition: Unveiling Dual Optical Absorption Edges,

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21. Abeer Alassod, Weaam Alkhateeb, **Ibrahim Alghoraibi**, Ghrood Alassod and Rasha Alassod. "Fabrication of polystyrene/lignin /OV-POSS nanocomposite monolith by thermally induced phase separation method for wastewater clean-up," *Polymer Bulletin*. (2024). <https://doi.org/10.1007/s00289-024-05193-1>
22. Alahmar, M., Younes, B., and **Alghoraibi, I** (2024). "Modification of cotton yarns utilizing graphene ink to functionalized as conductivity." *The Journal of The Textile Institute*, 1–12. <https://doi.org/10.1080/00405000.2024.2308938>
23. Yasser Al-Salama, **Ibrahim Alghoraibi** and Mohammad Almulla Salem, "The Effect of Foliar Application of ZnO Nanoparticles and ZnSO₄ on Improving the Growth and Production of Durum Wheat," *Al-Qadisiyah Journal for Agriculture Sciences (QJAS)*, 2618-1479 Vol.14, Issue. 1, (2024), pp. 1-11, DOI: 10.33794/QJAS.2024.145712.1154.
24. Tawil, W, Salama.Y, **Alghoraibi.I**, Al-Ouda. A, Ballish. R and Zeinab. H, *the ability of nanoparticles to induce mutations in water*, Arab journal for arid environments, 1165, 2024
25. Yasser Al-Salama, **Ibrahim Alghoraibi**, Mohammad Alsouse and Raghad Zein, "The Impact of Seed Priming Silver Nanoparticles on Germination Indicators of Durum Wheat (*Triticum durum* L., var. *Sham 7*)," *Al-Qadisiyah Journal for Agriculture Sciences (QJAS)*: 2618-1479 Vol.14, Issue. 1, (2024), pp. 23-29, DOI: 10.33794/qjas.2024.145858.1157.
26. Shaza Alashi, Isam kouri, **Ibrahim Alghoraibi**, Nabil Kochaji, Abdullah Hourri, Eggshells derived Nano-hydroxyapatite doped with Si and Zn as novel bone regenerative material in critical-sized bone defects – in vitro and in vivo study version 1(2023), <https://doi.org/10.21203/rs.3.rs-3134833/v1>
27. Hasan, F., **Alghoraibi, I**. "Chitosan-boehmite reinforced AgNPs prepared by the sol-gel method for cost-effective water disinfection," *J Sol-Gel Sci Technol* (2023). <https://doi.org/10.1007/s10971-023-06266-9>
28. Fawaz, Walaa; Hasian, Jameela; **Alghoraibi, Ibrahim**, Preparation, Characterization, and Release Profile Study of Vincristine Sulfate-loaded Polycaprolactone Nanoparticles, *Micro and Nanosystems*, Volume 15, Number 4, 2023, pp. 300-307(8), <https://doi.org/10.2174/0118764029271070231117041624>
29. Fawaz, W., Hasian, J. and **Alghoraibi, I**. "Synthesis and physicochemical characterization of carbon quantum dots produced from folic acid," *Sci Rep* **13**, 18641 (2023). <https://doi.org/10.1038/s41598-023-46084-1>
30. Gamil Al-Madhagy, Khaldoun Darwich, **Ibrahim Alghoraibi**, Essam Ahmed Al-Moraissi, "Radiographic evaluation of alveolar ridge preservation using chitosan/polyvinyl alcohol nanofibrous matrix: A randomized clinical study," *Journal of Cranio-Maxillofacial Surgery*, 2023, <https://doi.org/10.1016/j.jcms.2023.09.020>
31. Jihad Alsaleh Almohammad, Mohammad Hashem, Hanan Alchaghouri, **Ibrahim Alghoraibi**, "Improving the Photo Electro Catalytic Degradation of Methylene Blue by Modified TiO₂/ITO Photo Anodes," *Journal of Nanomaterials*, vol. 2023, Article ID 1722978, 11 pages, 2023. <https://doi.org/10.1155/2023/1722978>
32. Al-Madhagy, Gamil, **Ibrahim Alghoraibi**, Khaldoun Darwich, Mohammad Y. Hajeer, and Gamil M.

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Mention total numbers only

Criteria	Status	No's	Criteria	Status	No's
Patents	Granted	5	Papers Presented in Conferences	International	45
	Under Process	4		National	44
Research Grants	Completed	1	Invited Presentations Delivered	Scientific Meetings	1
	Sanctioned	1		Workshops	1
Consultancy Projects	Completed	10		Conferences	16
	Sanctioned	22	Seminars	1	

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SCI / SSCI Indexed Articles	Published	-	Master and PhD Students Supervised	Graduated	45
	Accepted	-		Current	7
SCOPUS Indexed Articles	Published	66	Books Authored with ISBN	Books	-
	Accepted	-		Book Chapters	3
Other Indexed Articles	Published	-	Professional Membership	International	1
	Accepted	16		National	3
Countries Visited	For Study	2	Editorial Appointments in Journals	Editor in Chief	-
	For Presentation	6		Associate Editor	-
Awards Received	International	2		Board Member	27
	National	4		Reviewer	3

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